IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application No.: Date Filed: Title:		Jian Chen et al.	Group Art Unit: Examiner:	011102	
		Concurrently Herewith	Concurrently Herewith INTEGRATED CIRCUIT WITH MULTIPLE SPACER INSULATING		
		INFORMATION DISCL	OSURE STATEMENT (ID	PS)	
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SIR:					
States F for subs patent a	n attache latent and nitting a application	rdance with 37 C.F.R. §1.56 and in cd Form PTO/SB/08 and/or subseque Trademark Office. Pursuant to the Copy of each cited U.S. patent and eans filed after June 30, 2003 and for a ISC §371 after June 30, 2003, copies of the company	ntly identified herein, are for confice waiving the requirement to the U.S. patent application publications that	onsideration by the United under 37 CFR 1.98 (a)(2)(i) ication for all U.S. national thave entered the national	
I.	COPIE: a.⊠	A legible copy of (i) each U.S. and foreign patents; (ii) each publication or that p caused it to be listed; and (iii) all other information or that portion which caused it			
	b.	is included herewith. Any patents, publications or other i enclosed herewith were previously applications which has been relied u	cited by or submitted to the PT	TO in one of the following	
		U.S. Serial Number	<u>U.S.</u>	Filing Date	
II.	CONCI a. ⊠ b. □ c. □	SE EXPLANATION OF THE RELE Except as may be indicated below ir information are in the English langua A concise explanation of the releva that is not in the English language is The following additional information	a (b) of this section, all of the parage (concise explanation not reconce of all patents, publications as follows:	atents, publications or other puired). or other information listed	
III. 🔲	The Exa	REFERENCE TO RELATED APPL aminer is advised that the following could to the present application. By brint(s) does(do) not waive the confiden	o-pending application(s) containing this (these) applications to	o the Examiner's attention,	
	Serial N	Io. Filing Da	te Art U	<u>Jnit</u>	
			<u>FEES</u>		
IV. 🛛	<u>THIS II</u> a.⊠	os is being filed under 37 C.F. within three months of the filing prosecution application under § 1.	date of a national applicatio		
	b.	required. within three months of the date of international application (37 C.F.R.			
	c.	before the mailing date of a first Of or statement is required.			
	d.	before the mailing date of a first examination under § 1.114 (37 C.F.F.			

\$ 97(c) a No statement; therefore, charge deposit account \$02117 the fee set forth in 37 C.F.R. §1.17(p) b See the statement below. No fee is required. VI. THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(d): on or before payment of the issue fee and is accompanied by the following: 1 a statement under 37 C.F.R. §1.97(e) as provided below; and 2 charge deposit account \$02117 the petition fee set forth in §1.17(p). VII. STATEMENT UNDER 37 C.F.R. §1.97(e) (check only one box, if applicable) The undersigned hereby states that a each item of information contained in the IDS was cited in a communication from a foreig Patent Office in a counterpart foreign application, and to knowledge of the person signing it statement after making reasonable inquiry, no item of information contained in the IDS was cited in a communication from a foreign and the statement after making reasonable inquiry, no item of information contained in the IDS was cited in a communication from a foreign and after making reasonable inquiry, no item of information contained in the IDS were cited in a communication from composition of the items of information contained in the IDS were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application or, to the knowledge of the person signing the statement information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application or, to the knowledge of the person signing the statement and making reasonable inquiry, no item of information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application or, to the knowledge of the person signing the statement and making reasonable inquiry, no item of information contained in the IDS was known to are individual designated in 37 C.F.R. 1.56(c) more than three month	V. 📋	before	the mailin		<u>.97(c)</u> : (check one box) tion under 37 C.F.R. §1.113, a Notice of Allowance closes prosecution in the application (See 37 C.F.R.
on or before payment of the issue fee and is accompanied by the following: 1) a statement under 37 C.F.R. § 1.97(e) (sheek only one box, if applicable) The undersigned hereby states that a. □ each item of information contained in the IDS was cited in a communication from a foreigned hereby states that each item of information contained in the IDS was cited in a communication from a foreigned hereby states that on item of information contained in the IDS was cited in a communication from a foreigned hereby states of fifties in a counterpart foreign application not more than three months prior to the filting of IDS; or b. □ no item of information contained in the IDS was cited in a communication from a foreigned patent of fifties in a counterpart foreign application, and to knowledge of the person signing it statement after making reasonable inquiry, no item of information contained in the IDS was cited in a communication from a foreign patent of fifties. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application on two rethan three months prior to the filting of this IDS. A to the remaining information, the undersigned hereby states that no item of this remainin information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was cited in a communication from a foreign application or a communication from a foreign application or the statement of this remaining information contained in the IDS was cited in a communication from a foreign application or the statement of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was cited in a communication from a foreign patent Office a counterpart foreign application or, to the knowledge of		a. 🔲	No state		
The undersigned hereby states that a	VI. 🗌	on or b	efore payr a statem	ment of the issue fee and is accompand under 37 C.F.R. §1.97(e) as property of the state of the	oanied by the following: ovided below; and
Patent Office in a counterpart foreign application not more than three months prior to the filtr of IDS; or no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and to knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS we known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement, or some of the items of information contained in the IDS was cited in a communication from foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application not more than three months prior to the filing of this IDS. A to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application or, to the knowledge of the person signing the statement of making reasonable inquiry, no item of information contained in the IDS was known to an individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of the statement. VIII. PAYMENT OF FEES A check in the amount of is enclosed for the above-identified fee(s). Please charge Deposit Account 502117 in the amount of \$180.00 for the above-indicated fee(s). If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account 502117. Two Copies of this paper are attached for Deposit Account charges and debits. The above references are being cited only in the interests of candor and without any admission that the constitute statutory prior art or contain matter which anticipates the invention or which would render the sam obvious, either singly or in a combination, to a person of ord	VII.	The un	dersigned	hereby states that	
Patent Office in a counterpart foreign application, and to knowledge of the person signing if statement after making reasonable inquiry, no item of information contained in the IDS we known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement, or some of the items of information contained in the IDS were cited in a communication from foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application not more than three months prior to the filing of this IDS. A to the remaining information, the undersigned hereby states that no item of this remainin information contained in the IDS was cited in a communication from a foreign Patent Office a counterpart foreign application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to an individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of the statement. VIII. PAYMENT OF FEES A check in the amount of is enclosed for the above-identified fee(s). Please charge Deposit Account 502117 in the amount of \$180.00 for the above-indicated fee(s). If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account 502117. Two Copies of this paper are attached for Deposit Account charges and debits. The above references are being cited only in the interests of candor and without any admission that the constitute statutory prior art or contain matter which anticipates the invention or which would render the san obvious, either singly or in a combination, to a person of ordinary skill in the art. If the Examiner has any questions concerning this IDS, he/she is requested to consider this ID under the proper rule (with a petition if necessary) and charge the		a	Patent (Office in a counterpart foreign appl	
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A check in the amount of is enclosed for the above-identified fee(s). Please charge Deposit Account 502117 in the amount of \$180.00 for the above-indicated fee(s). If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account 502117. Two Copies of this paper are attached for Deposit Account charges and debits. The above references are being cited only in the interests of candor and without any admission that the constitute statutory prior art or contain matter which anticipates the invention or which would render the sam obvious, either singly or in a combination, to a person of ordinary skill in the art. If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this ID under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 502117. Respectfully symmitted. Jain Chen et al. David G. Dolezal Attorney for Applicant(s) Reg. No. 41,711 Tel. 512.996.6839 Enclosures: PTO/SB/08 References Foreign Search Report		c.	some of foreign informa a counte to the r informa a counte making individu	the items of information contained. Patent Office. As to this information contained in the IDS was cited to the information application not more remaining information, the understion contained in the IDS was cited to contained in the IDS was cited to reasonable inquiry, no item of it and designated in 37 C.F.R. 1.56(contained in 1.56).	mation, the undersigned states that each item of d in a communication from a foreign Patent Office in than three months prior to the filing of this IDS. As igned hereby states that no item of this remaining d in a communication from a foreign Patent Office in knowledge of the person signing the statement after formation contained in the IDS was known to any
Please charge Deposit Account 502117 in the amount of \$180.00 for the above-indicated fee(s). If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Deposit Account 502117. Two Copies of this paper are attached for Deposit Account charges and debits. The above references are being cited only in the interests of candor and without any admission that the constitute statutory prior art or contain matter which anticipates the invention or which would render the sam obvious, either singly or in a combination, to a person of ordinary skill in the art. If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this ID under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account Not 502117. Respectfully symmitted. Javid G. Dolezal Attorney for Applicant(s) Reg. No. 41,711 Tel. 512.996.6839 Enclosures: PTO/SB/08 References Foreign Search Report	VIII.	PAYM			losed for the above-identified fee(s).
Commissioner is hereby authorized to credit or debit Deposit Account 502117. Two Copies of this paper are attached for Deposit Account charges and debits. The above references are being cited only in the interests of candor and without any admission that the constitute statutory prior art or contain matter which anticipates the invention or which would render the sam obvious, either singly or in a combination, to a person of ordinary skill in the art. If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned if it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this ID under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 502117. Respectfully symmitted, Jian Chen et al. Jian Chen			Please of fee(s).	charge Deposit Account 502117 in	the amount of \$180.00 for the above-indicated
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If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this ID under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 502117. Respectfully submitted, Jian Chen et al. David G. Dolezal MOTOROLA, INC. Customer Number 23125 Reg. No. 41,711 Tel. 512.996.6839 Enclosures: PTO/SB/08 References Foreign Search Report		te statute	ory prior	art or contain matter which anticip	pates the invention or which would render the same
Respectfully submitted, Jian Chen et al. David G. Dolezal Attorney for Applicant(s) Reg. No. 41,711 Tel. 512.996.6839 Enclosures: References Foreign Search Report	under th	letermine ne prope	ed that thi	is IDS has been filed under the wi	ong rule, the PTO is requested to consider this IDS
MOTOROLA, INC. Customer Number 23125 Enclosures: PTO/SB/08 References Foreign Search Report Attorney for Applicant(s) Reg. No. 41,711 Tel. 512.996.6839					Jian Chen et al
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				Complete if Known			
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STATEMENT BY APPLICANT				First Named Inventor	Jian Chen		
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(use as many sheets	as necessary)			Examiner Name			
Sheet		of		Attorney Docket Number	SC13210TP		

	U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Document Number Number -Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	AA	5,461,243	10/24/1995	Ek et al.				
	AB	5,759,898	06/02/1998	Ek et al.				
	AC	5,846,857	12/08/1998	Ju				
	AD	5,943,565	08/24/1999	Ju				
	AE	6,369,438 B1	04/09/2002	Sugiyama et al.				
	AF	2003/0034529 A1	10/08/2002	Fitzgerald				
	AG	2003/0013305 A1	01/16/2003	Sugii <i>et al</i> .				
	AH	6,524,935 B1	02/25/2003	Canaperi et al.				
,	Al	2003/0040160 A1	02/27/2003	Huang et al.				

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6			
	AJ	JP 2000243946	12/06/1999	Naoharu et al.		Yes/Abstract			
	AK	WO 02/33746 A1	04/22/2002	Chu et al.					

Examiner	Cite No.	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial,	I T2
Initials*	1	symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	AL	Chi et al., "Electrically active defects in surface preamorphized and subsequently RTP-annealed Si and the effect of titanium silicidation," <i>Proc. 1998 5th International Conference on Solid-State and Integrated Circuit Technology</i> ,", October 21, 1998, Beijing, China, p. 324-327.	
	AM	Fahey et al., "Point defects and dopant diffusion in silicon," Reviews of Modern Physics, April 1989, Vol. 61, No. 2, pp. 289-384.	
	AN	Lee et al., "Sub-30 nm P+ abrupt junction formation in Strained Si/Si _{1-x} Ge _x MOS device," Technical Digest of the International Electron Devices Meeting, December 8, 2002, pp. 379-81.	
	AO	LeGoues et al., "Kinetics and Mechanism of Oxidation of SiGe: Dry Versus Wet Oxidation," Applied Physics Letters, February 13, 1989, Vol. 54, No. 7, pp. 644-646.	
-	AP	LeGoues et al., "Oxidation Studies of SiGe," Journal of Applied Physics, February 15, 1989, Vol. 65, No. 4, pp. 1724-1728.	
	AQ	Lim <i>et al.</i> , "Dry Thermal Oxidation of a Graded SiGe Layer," <i>Applied Physics Letters</i> , November 26, 2001, Vol. 79, No. 22, pp. 3606-3608.	
	AR	Sawano et al., "Relaxation Enhancement of SiGe Thin Layers by Ion Implantation into Si Substrates," IEEE, 2002, pp. 403-404.	
	AS	Tezuka et al., "Dislocation-free Formation of Relaxed SiGe-on-insulator Layers," Applied Physics Letters, May 13, 2002, Vol. 80, No. 19, pp. 3560-3562.	
	AT	Tezuka et al., "Fabrication of Strained Si on an Ultrathin SiGe-on-insulator Virtual Substrate with a High-Ge Fraction," Applied Physics Letters, September 17, 2001, Vol. 79, No. 12, pp. 1798-1800.	
	AU	Vyatkin et al., "Ion Beam Induced Strain Relaxation in Pseudomorphous Epitaxial SiGe Layers," IEEE, 2000, pp. 70-72.	
	AV	U.S. Patent Application S/N 10/670,928 filed 09/25/2003, entitled "SOI Template Layer", same assignee as assignee hereof.	

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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